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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
09/803,058	03/08/2001	Mark Parisi	990165	7197

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Qualcomm Incorporated
Patents Department
5775 Morehouse Drive
San Diego, CA 92121-1714

EXAMINER

PHU, SANH D

ART UNIT	PAPER NUMBER
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2682

DATE MAILED: 02/17/2004

Please find below and/or attached an Office communication concerning this application or proceeding.

Office Action Summary

Application No.

09/803,058

Applicant(s)

PARISI, MARK

Examiner

Sanh D Phu

Art Unit

2682

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If the period for reply specified above is less than thirty (30) days, a reply within the statutory minimum of thirty (30) days will be considered timely.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

- 1) ☒ Responsive to communication(s) filed on ____.
- 2a) ☐ This action is **FINAL**. 2b) ☒ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

- 4) ☒ Claim(s) 1,3,5 and 7 is/are pending in the application.
- 4a) Of the above claim(s) ____ is/are withdrawn from consideration.
- 5) ☐ Claim(s) ____ is/are allowed.
- 6) ☒ Claim(s) 1,3,5 and 7 is/are rejected.
- 7) ☒ Claim(s) 2,4 and 6 is/are objected to.
- 8) ☐ Claim(s) ____ are subject to restriction and/or election requirement.

Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☐ The drawing(s) filed on ____ is/are: a) ☐ accepted or b) ☐ objected to by the Examiner.
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. § 119

- 12) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All b) ☐ Some * c) ☐ None of:
- ☐ Certified copies of the priority documents have been received.
 - ☐ Certified copies of the priority documents have been received in Application No. ____.
 - ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

* See the attached detailed Office action for a list of the certified copies not received.

Attachment(s)

- | | |
|--|---|
| 1) <input checked="" type="checkbox"/> Notice of References Cited (PTO-892) | 4) <input type="checkbox"/> Interview Summary (PTO-413)
Paper No(s)/Mail Date. ____. |
| 2) <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948) | 5) <input type="checkbox"/> Notice of Informal Patent Application (PTO-152) |
| 3) <input checked="" type="checkbox"/> Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08)
Paper No(s)/Mail Date <u>4</u> . | 6) <input type="checkbox"/> Other: ____. |

DETAILED ACTION

Claim Rejections – 35 USC § 103

2. The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negated by the manner in which the invention was made.

Claim 1,3,5 and 7 are rejected under 35 U.S.C. 103(a) as being unpatentable over Mc Donald, JR. et al (US 2002/0077750) in view of Jones et al (6,337,972).

Regarding to claim 1, see Fig. 1, 2, 3, section [0028] to [0030], Mc Donald, JR disclose a method for transmitting data from a remote reporting unit via a wireless communication network, wherein the method comprises:

Step for generating a status message "automatic status information", said status message having a value representing one of multiple alternative conditions detected by a remote unit (106) (see Fig.1 and section [0030]);

Step for applying a predetermined mapping scheme to convert said value into a consolidated output (e.g., "At terminal", "At job site", "end pour")(see section [0045]);

Step for transmitting the consolidated output (see section [0045])

Mc Donald, JR does not teach a step for generating feature coding for the consolidated output.

On Jones et al 's invention, he teaches generating a feature code comprising a message to be transmitted; and transmitting the feature code to a call processing facility (see col. 2, line 6 to col. 3, line 10).

Therefore, it would have been obvious for one skilled in the art to implement Mc Donald, JR's method to have a feature code as taught by Jones et al's in such a way the consolidated output would be encoded into a feature code to be transmitted so that Mc Donald's method for delivery information can be able to transmit with higher density and shorter bandwidth.

Regarding to claim 3, see Fig. 1, 2, 3, 4, section [0028] to [[0030], Mc Donald et al disclose that said status message comprises a latitude, a longitude, an event code representing an occurrence of one or more

predetermined events, and a state code representing one or more states (see section [0030]).

Regarding to claim 5, see Fig.3, Mc Donald et al disclose a signal-bearing medium (10) tangibly embodying a program of machine-readable instructions executable by a digital processing apparatus (16) to perform operations for transmitting data from a remote unit via a telephone network, said operations comprising:

a remote reporting unit (16,12) for generating a status message, said status message having a value representing one of multiple alternative conditions detected by the remote reporting unit and applying a scheme to convert said status message into a consolidated output (see section [0028]–[0030]);

Mc Donald, JR does not teach means for generating feature coding for the consolidated output.

On Jones et al 's invention, he teaches generating a feature code comprising a message to be transmitted; and transmitting the feature code to a call processing facility (see col. 2, line 6 to col. 3, line 10).

Therefore, it would have been obvious for one skilled in the art to implement Mc Donald, JR's method to have a feature code as taught by Jones et al's in such a way the consolidated output would be encoded into a feature code to be transmitted so that Mc Donald's system for delivery information can be able to transmit with higher density and shorter bandwidth.

Regarding to claim 7, Mc Donald et al disclose a remote reporting unit, comprising:

a first sensor 914) for sensing an first event and generating a first status (see section [0028]–[0031]);

a second sensor (22) for sensing a second event and generating a second status (see section [0028]–[0031]);

a wireless transmitter 912) (see section [0013] and [0030];

data processing circuitry (16,12) for generating a status message, said status message having a value representing one of multiple alternative conditions detected by the first and second sensors and applying a scheme to convert said status message into a consolidated output (see section [0028]–[0030]);

Mc Donald, JR does not teach means for generating feature coding for the consolidated output.

On Jones et al 's invention, he teaches generating a feature code comprising a message to be transmitted; and transmitting the feature code to a call processing facility (see col. 2, line 6 to col. 3, line 10).

Therefore, it would have been obvious for one skilled in the art to implement Mc Donald, JR's system to have a feature code as taught by Jones et al's in such a way the consolidated output would be encoded into a feature code to be transmitted so that Mc Donald's method for delivery information can be able to transmit with higher density and shorter bandwidth.

Allowable Subject Matter

3. Claim 2, 4 and 6 are objected to as being dependent upon a rejected base

claim, but would be allowable if rewritten in independent form including all of the limitations of the base claim and any intervening claims.

Regarding to claim 2 and 6, the prior art of record does not teach a method/medium for transmitting data from a remote reporting unit via a

wireless communication network where the operation of applying a predetermined mapping scheme comprises:

 multiplying each status message by a different predetermined coefficient to create a corresponding multiplicative product; and

 adding the multiplicative products;

 wherein the coefficients are selected to enable reconstruction of each status message by repeated division of the consolidated output by the coefficients.

Regarding to claim 4, the prior art of record does not teach a method for transmitting data from a remote reporting unit via a wireless communication network, where the operation of applying a predetermined mapping scheme comprises:

 multiplying the latitude status message by a first coefficient;

 multiplying the longitude status message by a second coefficient;

 multiplying the event code by a third coefficient; and

 adding results of the foregoing multiplication operations to the state to create a corresponding multiplicative product.

Conclusion


4. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Sanh D Phu whose telephone number is (703) 305-8635. The examiner can normally be reached on 8:00-16:30.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Vivian Chin can be reached on 703-301-6739. The fax phone number for the organization where this application or proceeding is assigned is (703) 872-9306.

Any inquiry of a general nature or relating to the status of this application or proceeding should be directed to the receptionist whose telephone number is 703-305-8635.

Sanh D. Phu
Examiner
Art Unit 2682

SP


LEE NGUYEN
PRIMARY EXAMINER

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Art Unit: 2682

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